

MHV Series

High Voltage Converters



Input Specification

- Input Range

See Table

Output Specification

- Output Voltage Control

Via external voltage 0 to 4.0 V
or via external variable 5 kOhm
resistor

- Line Regulation
MHV models
PHV models
- Load Regulation (10-100%)
MHV models
PHV models
- Temperature Coefficient
±0.03%
±0.1%
- Ripple and Noise
(20 MHz bandwidth)
MHV models
PHV models

±0.03%
±0.1%
±0.01%/°C typ

30 mV pk-pk typ
160 mV pk-pk typ

General Specification

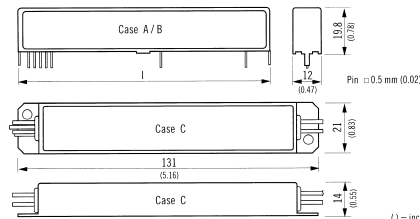
- Operating Temperature
- Isolation
- Efficiency
- Case Material
- Remote On/Off

-10 °C to +50 °C
Non-Isolated
50 to 65%
5-sided metal case
Standard on 500 VDC - 2000 V DC
outputs

Input Voltage Range	Output Voltage	Output Current	Case	Model
10.8–13.2 V DC	0 to +180 V DC	15 mA	A	MHV 12-180S15 P
	0 to –180 V DC			MHV 12-180S15 N
10.8–13.2 V DC	0 to +300 V DC	10 mA	A	MHV 12-300S10 P
	0 to –300 V DC			MHV 12-300S10 N
10.8–13.2 V DC	0 to +350 V DC	7 mA	A	MHV 12-350S07 P
	0 to –350 V DC			MHV 12-350S07 N
10.8–13.2 V DC	0 to +500 V DC	6 mA	B	*MHV 12-0.5K6000 P
	0 to –500 V DC			*MHV 12-0.5K6000 N
10.8–16.5 V DC	0 to +1000 V DC	2 mA	B	*MHV 12-1.0K2000 P
	0 to –1000 V DC			*MHV 12-1.0K2000 N
10.8–16.5 V DC	0 to +1500 V DC	1.3 mA	B	*MHV 12-1.5K1300 P
	0 to –1500 V DC			*MHV 12-1.5K1300 N
10.8–16.5 V DC	0 to +2000 V DC	1 mA	B	*MHV 12-2.0K1000 P
	0 to –2000 V DC			*MHV 12-2.0K1000 N

* Models available with flying leads (case C) order SHV12 - xx .

Note: For 5 W PHV Series consult office



Dimensions	
Case	Length l
A	80 (3.15)
B	110 (4.33)
C	Lead length
	Pin 1–5: 250 (9.84)
	Pin 6+7: 500 (19.69)

() = inch

N.B: For pin out information
contact technical sales